



## E2F-2 (Acetyl Lys122) mouse mAb

<b>Catalog No</b>	BYmab-00880
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	E2F2
<b>Protein Name</b>	E2F-2 (Acetyl Lys122)
<b>Immunogen</b>	Synthesized peptide derived from human E2F-2 (Acetyl Lys122)
<b>Specificity</b>	This antibody detects endogenous levels of Human,Mouse E2F-2 (Acetyl Lys122)
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Transcription factor E2F2 (E2F-2)
<b>Observed Band</b>	48kD
<b>Cell Pathway</b>	Nucleus.
<b>Tissue Specificity</b>	Highest level of expression is found in placenta, low levels are found in lung. Found as well in many immortalized cell lines derived from tumor samples.
<b>Function</b>	transcription, transcription, DNA-dependent, transcription initiation, regulation of transcription, DNA-dependent,transcription from RNA polymerase II promoter, transcription initiation from RNA polymerase II promoter, protein complex assembly, apoptosis, cell cycle, cell death, programmed cell death, death, RNA biosynthetic process,macromolecular complex subunit organization, regulation of transcription, regulation of RNA metabolic process,regulation of cell cycle, macromolecular complex assembly, protein complex biogenesis,
<b>Background</b>	function:Transcription activator that binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in

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DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from g1 to s phase. E2F-2 binds specifically to RB1 protein, in a cell-cycle dependent manner.,PTM:Phosphorylated by CDK2 and cyclin A-CDK2 in the S-phase.,similarity:Belongs to the E2F/DP family.,subunit:Component of the DRTF1/E2F transcription factor complex. Forms heterodimers with DP family members. The E2F-2 complex binds specifically hypophosphorylated retinoblastoma protein RB1. During the cell cycle, RB1 becomes phosphorylated in mid-to-late G1 phase, detaches from the DRTF1/E2F complex, rendering E2F transcriptionally active. Viral oncoproteins, notably E1A, T-antigen and HPV E7, are caMABLE of sequestering RB protein, thus releasing the active complex. Binds EAPP.,tissue specificity:Highest level of expression is found in placenta, low levels are found in lung. Found as well in many immortalized cell lines derived from tumor samples.,

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images